

PVA BASED FILM AND OPTICAL FILM

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Abstract of JP6138319

PURPOSE: To provide a PVA (polyvinylalcohol) based film having an excellent optical homogeneity, a PVA based polarizing film and a PVA based phase difference film.

CONSTITUTION: The PVA based film having a $\leq 1.0 \times 10^{-3}$ average double refractive index (Δn) and a $\leq 0.13 \times 10^{-3}$ double refractive index variation (R_n), preferably has a 20 to 100 μm average thickness (t) and a $\leq 3\%$ thickness variation (R_t). The polarizing film using the PVA based film has a $\leq 0.5\%$ monochromatic transmittance variation (R_y) and a ≤ 2.5 dichroism ratio variation (ΔT_{ARd}). The phase difference film using the PVA based film has a $\leq 2\%$ phase difference variation (R_e).

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